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2 The Amboseli Elephants. A long-term perspective on a long-lived mammal, Cynthia J. Moss, Harvey Croze, Phyllis C. Lee (Eds.). The University of Chicago Press (2011). 383 pp., $65.00/£42.00, Hardback, ISBN: 978-0-226-54223-2
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3 Effective Learning in the Life Sciences: How Students Can Achieve Their Full Potential, David J. Adams (Ed.). Wiley-Blackwell, Chichester, UK (2011). 268 pp., price £29.95/€36.00, paperback, ISBN: 978-0-470-66157-4
S. FATTORINI (Portugal)

69 Drought and Aquatic Ecosystems: Effects and Responses, P. Sam Lake. Wiley-Blackwell, Oxford, Chichester, Hoboken (2011). xiv+381 pp., Price £55.00, Paperback, ISBN: 978-1-4051-8560-8 (also four electronic formats)
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